

## ABSTRACT

An object of the present invention is to provide a method for introducing a physiologically active substance such as a gene into a cell, which introduces a physiologically active substance such as any given gene into any given cell in a view under a microscope, while significantly reducing invasiveness to the cell, and a device used for the above method. The present invention provides a method for introducing a physiologically active substance into a cell, which comprises: allowing a physiologically active substance to attach around a needle having a diameter of 500 nm or less, provided that it is able to be inserted into a cell; and inserting the above-described needle into the cell; and a microinjection device for carrying out the aforementioned method.